



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/563,768	01/09/2006	Kouichi Matsuda	280025US6PCT	3211
22850	7590	10/29/2010	EXAMINER	
OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, L.L.P. 1940 DUKE STREET ALEXANDRIA, VA 22314			TEKLE, DANIEL T	
			ART UNIT	PAPER NUMBER
			2481	
			NOTIFICATION DATE	DELIVERY MODE
			10/29/2010	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocket@oblon.com
oblonpat@oblon.com
jgardner@oblon.com

Office Action Summary	Application No.	Applicant(s)	
	10/563,768	MATSUDA, KOUICHI	
	Examiner	Art Unit	
	DANIEL TEKLE	2481	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 05 October 2010.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1,3 and 6-17 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1,3 and 6-17 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ . |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____. | 6) <input type="checkbox"/> Other: _____ . |

DETAILED ACTION

Response to Arguments

Applicant's arguments with respect to claim 1, 3-4, 6-16 and 17 have been considered but are moot in view of the new ground(s) of rejection.

35 U.S.C. 112, sixth paragraph

MPEP 2181 discloses that a claim limitation will be presumed to invoke 35 U.S.C. 112, sixth paragraph if it meets the following 3-prong analysis: (A) the claim limitations must use the phrase "means for" or "step for;" (B) the "means for" or "step for" must be modified by functional language; (C) the phrase "means for" or "step for" must not be modified by sufficient structure, material, or acts for achieving the specific function.

Regarding Claim 4: The means plus function language used in claim 4 indicates that applicant intends to invoke 35 U.S.C. 112 paragraph six. Where means plus function language is used, claim limitations are interpreted to read on only the corresponding structure disclosed in the specification and equivalents thereof. The disclosed structure used for the "means for retaining an audio data file" consider to read on (Recording Medium 11 of Figure 1 of Applicant's specification as indicated in [page 7 lines 9-12]); "means for reproducing the audio data" consider to read on (Data Reader 12 of Figure 1 of Applicant's specification as indicated in [page 7 lines 9-12]); "means for generating an image" consider to read on (Image processor 22 of Figure 1 of Applicant's specification as indicated in [page 8 lines 1-9]); "means for displaying the image" consider to read on (Display Panel 23 of Figure 1 of Applicant's specification as indicated in [page 8 lines 7-9])

The prior art element is a structural equivalent of the corresponding element disclosed in the specification. That is, the prior art element performs the function specified in the claim in substantially the same manner as the function is performed by

the corresponding element described in the specification. Therefore, the prior art element is an equivalent.

Regarding Claim 6: The means plus function language used in claim 6 indicates that applicant intends to invoke 35 U.S.C. 112 paragraph six. Where means plus function language is used, claim limitations are interpreted to read on only the corresponding structure disclosed in the specification and equivalents thereof. The disclosed structure used for the "means for indicating a viewpoint" consider to read on (Applicant's specification as indicated in [page 14 lines 8-14]); "means for generating generates image" consider to read on (Image processor 22 of Figure 1 of Applicant's specification as indicated in [page 8 lines 1-9]).

The prior art element is a structural equivalent of the corresponding element disclosed in the specification. That is, the prior art element performs the function specified in the claim in substantially the same manner as the function is performed by the corresponding element described in the specification. Therefore, the prior art element is an equivalent.

Regarding Claim 13: The means plus function language used in claim 13 indicates that applicant intends to invoke 35 U.S.C. 112 paragraph six. Where means plus function language is used, claim limitations are interpreted to read on only the corresponding structure disclosed in the specification and equivalents thereof. The disclosed structure used for the "means for reading out the audio and the character data" consider to read

on (Data reader 12 of Figure 1 of Applicant's specification as indicated in [page 7 lines 9-12]).

The prior art element is a structural equivalent of the corresponding element disclosed in the specification. That is, the prior art element performs the function specified in the claim in substantially the same manner as the function is performed by the corresponding element described in the specification. Therefore, the prior art element is an equivalent.

Regarding Claim 14: The means plus function language used in claim 14 indicates that applicant intends to invoke 35 U.S.C. 112 paragraph six. Where means plus function language is used, claim limitations are interpreted to read on only the corresponding structure disclosed in the specification and equivalents thereof. The disclosed structure used for the "means for separating the character data" considers reading on (Data Processor 13 of Figure 1 of Applicant's specification as indicated in [page 7 line 23 to Page 8 line 1]).

The prior art element is a structural equivalent of the corresponding element disclosed in the specification. That is, the prior art element performs the function specified in the claim in substantially the same manner as the function is performed by the corresponding element described in the specification. Therefore, the prior art element is an equivalent.

Regarding Claim 15: The means plus function language used in claim 15 indicates that applicant intends to invoke 35 U.S.C. 112 paragraph six. Where means plus function

language is used, claim limitations are interpreted to read on only the corresponding structure disclosed in the specification and equivalents thereof. The disclosed structure used for the “means for detecting an identifier” considers reading on (Controller 24 of Figure 1 of Applicant’s specification as indicated in [page 9 lines 9-13]).

The prior art element is a structural equivalent of the corresponding element disclosed in the specification. That is, the prior art element performs the function specified in the claim in substantially the same manner as the function is performed by the corresponding element described in the specification. Therefore, the prior art element is an equivalent.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 1, 3-4, 6-16 and 17 rejected under 35 U.S.C. 103(a) as being unpatentable over Suzuki et al. (US 6,245,982), further in view of Evans et al. (US 2004/0001695).

Regarding Claim 1: Suzuki et al. and Mori et al. discloses an audio reproduction method implemented by an audio reproduction apparatus, the method: obtaining, at the audio reproduction apparatus, a single audio data file having a data structure that includes audio data (**paragraph 0018: audio and video data that has been encoded**

and multiplexed and figure 2: Demux video, audio and subpicture [Evans et al.]), character data defining a shape of a character, and motion data defining motion of the character having the shape specified by the character data (column 8 lines 1-21: Playing piece of music based on the motion components**); generating, at the audio reproduction apparatus, an character image having the shape specified by said character data(**column 1 lines 39-47: displaying image based on playing music**), and displaying the generated image of character correspondingly to reproduction of audio data in according with the motion indicated by motion data (**column 8 lines 1-21: Playing piece of music based on the motion components**), wherein image of character is altered and displayed at a coordinate position at a specific time in audio reproduction (**column 8 lines 1-21: motion component database creates or edit motion descriptive information indicative of the manner of playing the piece of music based on the motion components**).**

Suzuki et al. invention discloses audio data having audio data, character data defining a shape of a character and motion data defining a motion of character; except fail to point out these character are in a single audio data file; however evans et al. discloses a system 200 that can render data from a DVD. System 200 includes an application 202 that communicates with a source component 204 that reads data off of a DVD 206. The data that is read off of the DVD includes audio and video data that has been encoded and multiplexed together (**paragraph 0018 and fig. 2**).

It would have been obvious to one ordinary skill in the art at the time of the invention was made to combine the teaching of Evans et al. invention into Suzuki et al.

invention in order to synchronize audio and video contents to present a more coherent presentation.

Regarding Claim 3: Suzuki et al. discloses an audio reproduction method according to claim 1, wherein image of character data has a three-dimensional shape (**Figure 4A: start and finish**), and method further comprises: displaying the image of character from a viewpoint based on a predetermined input operation indicating the viewpoint (**column 8 line 64 to column 9 line 10: motion capturing using three 3D digitizer mounted on certain position**).

Regarding Claim 4 and 6: Claim 4 and 6 reject for the same reason to claim 1 and 3 respectively as discussed above.

Regarding Claim 7: Suzuki et al. discloses an audio reproduction method according to claim I, wherein said motion data is described in VRML (Virtual Reality Modeling Language) (**column 14 lines 52-53**).

Regarding Claim 8: Suzuki et al. disclose an audio reproduction apparatus according to claim 4, wherein said motion data is described in VRML (Virtual Reality Modeling Language) (**column 14 lines 52-53**).

Regarding Claim 9: Suzuki et al. discloses an audio reproduction method according to claim 1, further comprising: reading out the audio data and the character data from a storage medium at a same time (**column 7 lines 33-47: reading data from storage 9 and column 8 lines 1-21: playing piece of music based on the motion components to generate a sequence of image display**).

Regarding Claim 10: Suzuki et al. discloses an audio reproduction method according to claim 1, further comprising: separating the character data from the single audio data file (*[examiner interpretation of “separating the character data from the single audio data file”: as present on page 7, line 9, to page 8, line 9, and Fig. 1 data processor 13 of applicant specification, [a character data multiplexed with the audio file. Separating process is done though processor 13]; column 8 lines 1-21: AV data needs separate at the output device in order to playback].*

Regarding Claim 11: Suzuki et al. discloses an audio reproduction method according to claim 1, further comprising: detecting an identifier in the single audio data file indicating a presence of the character data within the single audio data file (**column 12 lines 30-47: musical tone can be generate and eliminate in synchronism tone-generating and tone eliminating motions in the performance image**).

Regarding Claim 12: Suzuki et al. discloses an audio reproduction method according to claim 9, wherein the reading does not include reproducing an image signal (**column 12 lines 30-47: musical tone can be generate and eliminate in synchronism tone-generating and tone eliminating motions in the performance image**).

Regarding Claim 13-16: Claim 13-16 reject for the same reason to claim 9-12 respectively as discussed above.

Regarding Claim 17: Claim 17 reject for the same reason to claim 1 discussed above.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DANIEL TEKLE whose telephone number is (571)270-

1117. The examiner can normally be reached on 7:30am to 5:00pm M-R and 7:30-4:00 Every other Friday..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter-Anthony Pappas can be reached on 571-272-7646. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Daniel Tekle/
Examiner, Art Unit 2481

/Peter-Anthony Pappas/
Supervisory Patent Examiner, Art Unit 2481